

Title (en)

Filtering medium for air filters and process for producing the same

Title (de)

Filtermaterial für Luftfilter und Verfahren zu seiner Herstellung

Title (fr)

Matière filtrante pour filtre à air et procédé pour sa production

Publication

**EP 0963775 A2 19991215 (EN)**

Application

**EP 99111172 A 19990608**

Priority

- JP 16387998 A 19980611
- JP 32825298 A 19981118

Abstract (en)

A filtering medium for air filters wherein its surface conditions have been improved, whereby the porous PTFE membrane is not damaged even after pleating, thus appropriately meeting needs for clean space in clean rooms. The filtering medium comprises a porous polytetrafluoroethylene membrane (2) and an air-permeable supporting member (1) which are laminated such that at least one of exposed surfaces comprises a surface of the air-permeable supporting member (1) having a maximum frictional resistance of 25 gf or less. This filtering medium can be obtained by, for example, press bonding the air-permeable supporting member (1) to the porous membrane (2) under heating and then pressing the surface of the air-permeable supporting member (1) to a silicone roll (4) for smoothing. <IMAGE>

IPC 1-7

**B01D 39/16**

IPC 8 full level

**B01D 39/16** (2006.01); **B01D 69/06** (2006.01); **B01D 71/36** (2006.01)

CPC (source: EP KR US)

**B01D 39/16** (2013.01 - KR); **B01D 39/1692** (2013.01 - EP US); **Y10S 55/05** (2013.01 - EP US)

Cited by

CN113069833A; EP1260261A1; EP1184065A1; CN102596377A; EP2161127A4; CN111148561A; EP3685900A4; US6682576B1; US6596112B1; US7851043B2; WO0234375A1; WO0234376A1

Designated contracting state (EPC)

CH DE FR GB IT LI SE

DOCDB simple family (publication)

**EP 0963775 A2 19991215**; **EP 0963775 A3 20010418**; **EP 0963775 B1 20090819**; DE 69941277 D1 20091001; JP 2000061280 A 20000229; JP 3365617 B2 20030114; KR 100425390 B1 20040330; KR 20000006115 A 20000125; US 6149702 A 20001121

DOCDB simple family (application)

**EP 99111172 A 19990608**; DE 69941277 T 19990608; JP 32825298 A 19981118; KR 19990021773 A 19990611; US 31594699 A 19990521